

Abstract

Magnetic linear drive

5 A magnetic linear drive has a coil (10, 11) in whose  
interior the current can produce a magnetic flux (13)  
in an axial direction (34), having an armature (1)  
which can move only at right angles to the axial  
direction (34) and which has a magnetically active part  
10 (3) which is magnetized, in particular, parallel to,  
but in the opposite direction to, the axial direction  
(34). The armature is driven by a current surge, which  
accelerates the magnetically active part (3) toward the  
coil center, irrespective of its initial position.

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Figure 1

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